



February 11, 2002

Loureiro Engineering Associates, Inc.



RDMS DocID 00100135

**U. S. Environmental Protection Agency**

JFK Federal Building (HBT)

1 Congress Street

Boston, MA 02114-2023

FOR THE DIRECTOR  
Pratt & Whitney  
CTD 990672081  
R-9  
RDMS # 00135

Attn.: Juan Perez

**RE: Response To Comments North Parcel Report– Airport/Klondike Area  
Pratt & Whitney, East Hartford, Connecticut  
LEA Comm. No. 88UT032**

Dear Mr. Perez:

Attached please find responses to questions concerning the post-remediation groundwater monitoring to be conducted for the North Parcel at the Airport/Klondike Area of the Pratt & Whitney (P&W) facility located at 400 Main Street in East Hartford, Connecticut. These questions were raised by the U. S. Environmental Protection Agency (EPA) during discussions on the responses to comments dated December 7, 2001 on the report dated July 28, 2000 prepared by Loureiro Engineering Associates, Inc. (LEA) on behalf of the Untied Technologies Corporation (UTC).

With the completion of remedial activities within the North Parcel to remove contaminated soil, post-remediation groundwater sampling is required by Section 22a-133k-3(g)(2)(A) of the Regulations of Connecticut State Agencies. The post-remediation groundwater monitoring must be performed to confirm the effectiveness of the soil remediation in eliminating a source of contaminants to groundwater in the release areas. The length of the monitoring program is a minimum of two years for a GB groundwater quality area as stated in Section 22a-133k-3(g)(3)(A)(iii) of the Connecticut Remediation Standard Regulations (RSRs).

While the particular monitoring well network for the remediation areas in the North Parcel has not been defined as of yet, it is expected that the post-remediation groundwater monitoring well network will make maximum use of existing monitoring wells. Where necessary, additional monitoring wells will be installed to supplement the post-remediation groundwater monitoring well network.

For the post-remediation groundwater monitoring associated with the North Parcel, the monitoring well network is expected to consist of the five existing monitoring wells (NA-MW-05, NA-MW-06, NA-MW-07, NK-MW-06S and NK-MW-17S) present at the Site. The monitoring well locations are shown on Drawing 4 of the previously submitted North Parcel Report. The monitoring well network will consist of appropriately placed monitoring wells to enable downgradient monitoring of remediated areas as well as background monitoring of upgradient areas. In addition to the five existing monitoring wells, it is expected that as many as four new monitoring wells will be installed to supplement the existing monitoring well network.



Two of these new monitoring wells would be installed downgradient of the North Klondike Undeveloped Land Soil Pile Area and two of these new monitoring wells would be installed downgradient of the Silver Lane Pickle Company Area.

Based on the constituents detected in soil associated with the remediated areas in the North Parcel, it is expected that the post-remediation groundwater samples will be submitted for analysis of volatile organic compounds (VOCs) by EPA Method 8260B, metals (arsenic, barium, cadmium, chromium, lead, mercury, nickel, selenium, silver, and zinc) by both total and dissolved analysis, polychlorinated biphenyls (PCBs), and extractable total petroleum hydrocarbons (ETPH) by the Connecticut DEP's adopted method. For metals analysis, the groundwater analyses will be for total metals on unfiltered samples and dissolved metals on filtered samples.

In terms of EPA concerns with potential groundwater impacts from the balance of the Airport/Klondike Area on the North Parcel, no impact is expected based on the significant distance from other potential sources and the orientation of the North Parcel being side gradient to the balance of the Airport/Klondike Area. In addition, it is expected that the monitoring well network for the balance of the Airport/Klondike Area will include monitoring wells that will be appropriately placed to monitor any groundwater flow closest to the North Parcel.

If you have any questions or comments concerning this information, please contact either Joe Tota of UTC at 860-728-6510 or me at 860-410-2969.

Sincerely,

**LOUREIRO ENGINEERING ASSOCIATES, INC.**

Thomas J. Salimeno, P.E., L.E.P.  
Vice President

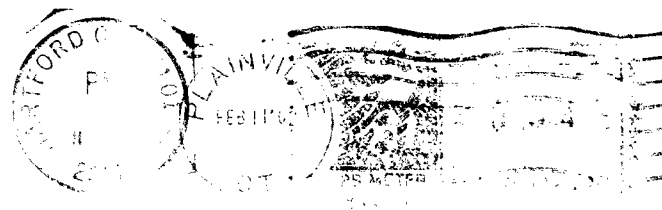
Attachments

pc: Ernest Waterman, EPA  
Joseph Tota, UTC



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